Mountain Weather Forecast

Peak District National Park

Forecast valid from 06:00 on Thursday 07 Sep 2023 until 23:59 on Friday 08 Sep 2023

Forecast Issued on Thursday 07 Sep 2023 at 00:45

Confidence: Very high confidence in very warm conditions continuing into the weekend. Moderate for details of morning mist, fog and low cloud. Lower for the timings and details of any thundery showers through the period and details surrounding the rain band on Monday.

Headline for Thursday 07 Sep 2023: Early low cloud, mist and fog soon clearing to leave sunny spells. Chance of isolated thundery showers this morning. Feeling very warm and humid.

Mountain weather hazards on Thursday 07 Sep 2023

Blizzards
No Likelihood

Gales
No Likelihood

Thunderstorms
Low Likelihood

Heavy persistent snow
No Likelihood

Severe chill effect
No Likelihood

Heavy persistent rain
No Likelihood

Storm force winds
No Likelihood

Poor visibility
Low Likelihood

Strong sunlight
Medium Likelihood

Weather and chance of precipitation at 600m					
Time					
06:00	09:00	12:00	15:00	18:00	21:00
Light rain showers	Light rain showers	Sunny intervals	Sunny	Sunny	Partly cloudy (night)
Precipitation probability					
30%	30%	20%	10%	10%	<05%

Forecast for Thursday 07 Sep 2023

Weather: Low cloud across eastern slopes is expected to burn back shortly after sunrise with any isolated mist or fog patches also soon clearing. A fairly cloudy start overall with elevated showers continuing to move northwards. These may develop into thunderstorms with lightning the main hazard. Although a locally heavy downpour cannot be ruled out this morning, most areas are likely to remain dry. A brighter afternoon, although high cloud may turn sunshine hazy at times. Feeling very warm and humid. Low cloud may return to eastern hills overnight with fog patches forming in valleys.

Chance of cloud-free hill tops above 600m: 60% at first, mainly in the east. Increasing to 90% by mid-morning.

Low cloud and visibility: Cloud bases of 300m possible at first, mainly affecting slopes in the east, bases lifting to above summits by mid-morning. No other low cloud concerns as any showers will fall from relatively high cloud bases. Visibility will be mostly good, although hazy at times. Visibility locally very poor to start in any fog. Chance of further poor visibility in any torrential downpours that may develop

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Met Office Mountain Weather Forecast

Forecast for Thursday 07 Sep 2023

Height (m)	Wind Speed mean/gusts (mph) Wind Direction (blowing from)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	13/18 E	15/21 E	15/19 E	12/16 E	10/15 E	10/13 E	7/10 E
300	6/14 NE	7/12 NE	10/13 E	8/12 E	6/12 E	6/12 NE	6/8 NE
Valley	10/18 E	11/21 E	9/15 E	8/14 E	6/15 E	9/16 E	7/11 E

Height (m)	Temperature / Feels Like (°C)						
	06:00	09:00	12:00	15:00	18:00	21:00	00:00
600	20/18	19/16	20/17	21/19	20/19	19/17	19/18
300	20/20	22/21	24/23	24/24	22/23	20/19	19/19
Valley	20/19	22/21	24/24	25/25	22/23	20/19	19/18
Freezing Level*	3700m	3700m	3700m	3500m	3300m	3200m	3200m

**Level above which ground is expected to be frozen/snow is expected to settle.*

Meteorologist's View

Feeling very warm and humid, emphasised by light winds, especially on low slopes, with an elevated risk of dehydration and heat stress. Moderate to High levels of UV likely. Risk of thunderstorms an additional hazard, mainly this morning.

Recent rainfall: measured at Cat & Fiddle: altitude 511m

Recorded at	Last 24 hours:	Last 48 hours:	Last 72 hours:
02:00 on Thu 07 Sep 2023	0mm	0mm	0mm

Forecast for Friday 08 Sep 2023

Weather: Low cloud from the North Sea spreading inland overnight may affect eastern Peaks. Mist and fog patches may form in valleys around dawn. Low cloud and fog will burn back or lift, clearing by mid-morning. Otherwise, largely fine and dry with sunny spells. Increased chance of showers moving northwards Friday evening, with thunder and lightning possible. Fog patches reforming in prone spots overnight. Feeling very warm and humid.

Maximum wind: East or southeast 10-15mph, becoming west southwest 5-10mph by the afternoon.

Chance of cloud-free hill tops above 600m: 60% in the east first thing, increasing to 90% by mid-morning.

Low cloud and visibility: Some poor cloud bases are possible towards the east at first, around 200m, possibly covering lower slopes. Bases lifting clear of summits by mid-morning and then remaining above tops, even in any showers. Visibility should be mostly good, although very poor in mist or fog patches. Poor in any heavy, thundery, downpours.

Temperature: **Valleys:** Plus 16 Celsius, becoming Plus 27 Celsius.
At 600m: Plus 17 Celsius, becoming Plus 23 Celsius.
Freezing level: Above the summits.

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